



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paper Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137) U.S. Environmental Protection Agency, 401 M Street, S. W., Washington, D.C. 20460. Do not send the form to this address.

DATA MATRIX

Date: August 6, 2014

EPA Reg. No./File Symbol: 74530-xx

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Applicant's/Registrant's Name & Address: HELM AGRO US, Inc.,
4042 Park Oaks Blvd., Suite 330
Tampa, FL 33610

Product:
VERDURE-X-HERBICIDE

Ingredients: Diquat dibromide

Guideline Reference Numbers, OPP/OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
61-1/ 830.1550	Product Identity and Composition	N/A 49447101	Helm Agro US, Inc.	OWN	Submitted with subject application
61-2/ 830.1600 & 830.1650	Beginning Materials and Formulation Process	N/A 49447101	Helm Agro US, Inc.	OWN	Submitted with subject application
61-3/ 830.1670	Discussion of the Formation of Impurities	N/A 49447101	Helm Agro US, Inc.	OWN	Submitted with subject application
62-1/ 830.1700	Preliminary Analysis	N/A 49447101	Helm Agro US, Inc.		Not required for end-use product
62-2/ 830.1750	Certified Limits	N/A 49447101	Helm Agro US, Inc.	OWN	See submitted CSF
62-3/ 830.1800	Enforcement Analytical Method	N/A 49447103	Helm Agro US, Inc.	OWN	Submitted with subject application
63-2/ 830.6302	Color	N/A 49447102	Helm Agro US, Inc.	OWN	Submitted with subject application
63-3/ 830.6303	Physical State	N/A 49447102	Helm Agro US, Inc.	OWN	Submitted with subject application
63-4/ 830.6304	Odor	N/A 49447102	Helm Agro US, Inc.	OWN	Submitted with subject application
63-5/ 830.7200	Melting Point	N/A 49447102	Helm Agro US, Inc.		Not required for this end-use product
63-7/ 830.7300	Density	N/A 49447102	Helm Agro US, Inc.	OWN	Submitted with subject application
63-8/ 830.7840	Solubility	N/A 49447102	Helm Agro US, Inc.		Not required for end-use product
63-9/ 830.7950	Vapor Pressure	N/A 49447102	Helm Agro US, Inc.		Not required for end-use product
63-10/ 830.7370	Dissociation Constant	N/A 49447102	Helm Agro US, Inc.		Not required for end-use product



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HELM AGRO US, Inc., 4042 Park Oaks Blvd., Suite 330 Tampa, FL 33610		VERDURE-X-HERBICIDE			
Ingredient: Diquat dibromide					
Guideline Reference Numbers, OPP/OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
63-11/ 830.7550	Octanol/Water Partition Coefficient	N/A 49447102	Helm Agro US, Inc.		Not required for end-use product
63-12/ 830.7000	pH	N/A 49447102	Helm Agro US	OWN	Submitted with subject application
63-13/ 830.6313	Stability	N/A 49447102	Helm Agro US		Not required for this end-use product
63-14/ 830.6314	Oxidation/reduction: Chemical incompatibility	N/A 49447102	Helm Agro US	OWN	Submitted with subject application
63-15/ 830.6315	Flammability	N/A 49447102	Helm Agro US	OWN	Not flammable; solid product does not contain any combustible liquids
63-16/ 830.6316	Explosibility	N/A 49447102	Helm Agro US	OWN	Not explosive based on its chemical/physical properties, product does reveal bond groupings to be explosive
63-17/ 830.6317	Storage Stability	N/A	Helm Agro US	OWN	New study under way
63-18/ 830.7100	Viscosity	N/A 49447102	Helm Agro US	OWN	Submitted with subject application
63-19/ 830.6319	Miscibility	N/A 49447102	Helm Agro US		Not required as this product is being diluted in water, not intended to be mixed and applied in petroleum solvents
63-20/ 830.6320	Corrosion Characteristics	N/A	Helm Agro US	OWN	New study under way
63-21/ 830.6321	Dielectric breakdown voltage	N/A 49447102	Helm Agro US		Product is not for use in/on/around electrical equipment
81-1/ 870.1100	Acute Oral Toxicity - Rat	To be assigned 49447104	Helm Agro US	OWN	Submitted with subject application
81-2/ 870.1200	Acute Dermal Toxicity - Rabbit	To be assigned 49447105	Helm Agro US	OWN	Submitted with subject application
81-3/ 870.1300	Acute Inhalation Toxicity - Rat	46494106	Nufarm Americas Inc.	PAY	



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Ingredient: Diquat dibromide					
Guideline Reference Numbers, OPP/OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
81-4/ 870.2400	Primary Eye Irritation-Rabbit	To be assigned 49447106	Helm Agro US	OWN	Submitted with subject application
81-5/ 870.2500	Primary Dermal Irritation-Rabbit	To be assigned 49447107	Helm Agro US	OWN	Submitted with subject application
81-6/ 870.2600	Dermal Sensitization in Guinea Pigs	To be assigned 49447108	Helm Agro US	OWN	Submitted with subject application
Helm Agro US Inc. is making offers-to-pay to the following companies listed on EPA's Data Submitters list as of June 30, 2014.		EPA Company No.			
	Cite-All under Selective Method utilized by Helm Agro US Inc.	100	Syngenta Crop Protection LLC	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	228	Nufarm Americas Inc.	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	239	The Scotts Company	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	524	Monsanto Company	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	2749	Aceto Agricultural Group	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	3862	ABC Compounding Co. Inc.	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	5785	Great Lakes Chemical Corp.	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	9688	Chemsico	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	10182	Syngenta Crop Protection	PAY	



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Ingredient: Diquat dibromide					
Guideline Reference Numbers, OPP/OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
	Cite-All under Selective Method utilized by Helm Agro US Inc.	35935	Nufarm Limited	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	42750	Albaugh LLC	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	59639	Valent USA Corp.	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	66607	Spray Drift Task Force	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	70506	United Phosphorus Inc.	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	71754	Outdoor Residential Exposure Task Force	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	71755	Agricultural Reentry Task Force	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	71995	Monsanto Company	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	72155	Bayer Advanced	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	73989	FIFRA Endangered Species TF	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	74888	Residential Exposure Joint Venture	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	75234	Agricultural Handlers Exposure Task Force	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	82542	Source Dynamics LLC	PAY	



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4042 Park Oaks Blvd., Suite 330
Tampa, FL 33610

Product:
VERDURE-X-HERBICIDE

Ingredient: Diquat dibromide

Guideline Reference Numbers, OPP/OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
	Cite-All under Selective Method utilized by Helm Agro US Inc.	82633	Sharda Worldwide Exports Ltd.	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	83529	Sharda USA LLC	PAY	
	Cite-All under Selective Method utilized by Helm Agro US Inc.	83979	Rotam North America Inc.	PAY	

Signature:

Name and Title: Bert Volger, Ph.D.
Agent for HELM AGRO US Inc.

Date: August 6, 2014



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Ingredients: Diquat dibromide

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			Helm Agro US, Inc.	OWN	Submitted with subject application
			Helm Agro US, Inc.	OWN	Submitted with subject application
			Helm Agro US, Inc.	OWN	Submitted with subject application
			Helm Agro US, Inc.		Not required for end-use product
			Helm Agro US, Inc.	OWN	See submitted CSF
			Helm Agro US, Inc.	OWN	Submitted with subject application
			Helm Agro US, Inc.	OWN	Submitted with subject application
			Helm Agro US, Inc.	OWN	Submitted with subject application
			Helm Agro US, Inc.	OWN	Submitted with subject application
			Helm Agro US, Inc.		Not required for this end-use product
			Helm Agro US, Inc.	OWN	Submitted with subject application
			Helm Agro US, Inc.		Not required for end-use product
			Helm Agro US, Inc.		Not required for end-use product
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Guideline Reference Numbers, OPP/OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US, Inc.		Not required for end-use product
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US	OWN	Submitted with subject application
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US		Not required for this end-use product
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US	OWN	Submitted with subject application
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US	OWN	Not flammable; solid product does not contain any combustible liquids
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US	OWN	Not explosive based on its chemical/physical properties, product does reveal bond groupings to be explosive
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US	OWN	New study under way
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US	OWN	Submitted with subject application
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US		Not required as this product is being diluted in water, not intended to be mixed and applied in petroleum solvents
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US	OWN	New study under way
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US		Product is not for use in/on/around electrical equipment
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US	OWN	Submitted with subject application
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US	OWN	Submitted with subject application
[REDACTED]	[REDACTED]	[REDACTED]	Nufarm Americas Inc.	PAY	



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Ingredient: Diquat dibromide

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[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US	OWN	Submitted with subject application
[REDACTED]	[REDACTED]	[REDACTED]	Helm Agro US	OWN	Submitted with subject application

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	Syngenta Crop Protection LLC	PAY	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	Nufarm Americas Inc.	PAY	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	The Scotts Company	PAY	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	Monsanto Company	PAY	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	Aceto Agricultural Group	PAY	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	ABC Compounding Co. Inc.	PAY	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	Great Lakes Chemical Corp.	PAY	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	Chemsico	PAY	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	Syngenta Crop Protection	PAY	[REDACTED]



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			Nufarm Limited	PAY	
			Albaugh LLC	PAY	
			Valent USA Corp.	PAY	
			Spray Drift Task Force	PAY	
			United Phosphorus Inc.	PAY	
			Outdoor Residential Exposure Task Force	PAY	
			Agricultural Reentry Task Force	PAY	
			Monsanto Company	PAY	
			Bayer Advanced	PAY	
			FIFRA Endangered Species TF	PAY	
			Residential Exposure Joint Venture	PAY	
			Agricultural Handlers Exposure Task Force	PAY	
			Source Dynamics LLC	PAY	



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Ingredient: Diquat dibromide

Guideline Reference Numbers, OPP/OPPTS	Guideline Study Name	MRID Number	Submitter	Status	Note
	[REDACTED]	[REDACTED]	Sharda Worldwide Exports Ltd.	PAY	
	[REDACTED]	[REDACTED]	Sharda USA LLC	PAY	
	[REDACTED]	[REDACTED]	Rotam North America Inc.	PAY	

Signature:

Bert Volger

Name and Title: Bert Volger, Ph.D.
Agent for HELM AGRO US Inc.

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